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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/532,009	11/16/2005	David S. Lawrence	96700/996	3836	
1912 1027/2009 AMSTER, ROTHSTEIN & EBENSTEIN LLP 90 PARK AVENUE			EXAM	EXAMINER	
			VU, JAKE MINH		
NEW YORK, NY 10016			ART UNIT	PAPER NUMBER	
			1618		
			MAIL DATE	DELIVERY MODE	
			10/27/2009	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

## Application No. Applicant(s) 10/532,009 LAWRENCE ET AL. Office Action Summary Examiner Art Unit Jake M. Vu 1618 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 10 June 2009. 2a) ☐ This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-8.11.131-133 and 144-149 is/are pending in the application. 4a) Of the above claim(s) 131-133 and 146-149 is/are withdrawn from consideration. 5) Claim(s) \_\_\_\_\_ is/are allowed. 6) Claim(s) 1-8,11,144 and 145 is/are rejected. 7) Claim(s) \_\_\_\_\_ is/are objected to. 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some \* c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). \* See the attached detailed Office action for a list of the certified copies not received. Attachment(s)

1) Notice of References Cited (PTO-892)

Paper No(s)/Mail Date 6/10/09,11/16/05.

Notice of Draftsperson's Patent Drawing Review (PTO-948)
Information Disclosure Statement(s) (PTO/SB/08)

Interview Summary (PTO-413)
Paper No(s)/Mail Date.

6) Other:

Notice of Informal Patent Application

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DETAILED ACTION

Receipt is acknowledged of Applicant's Restriction Requirement Response filed

on 06/10/2009; and Information Disclosure Statement filed on 06/10/2009 and

11/16/2005.

Claim 8 has been amended.

Claims 144-149 have been added.

Claims 12, 15, 22, 26, 29, 138-140 have been cancelled.

• Claims 1-8, 11, 131-133, 144-149 are pending in the instant application.

Claims 131-133, 146-149 are withdrawn from consideration.

Election/Restrictions

Applicant's election with traverse of Group I (claims 1-8, 11 and newly added

claims 144-145) in the reply filed on 06/10/2009 is acknowledged. The traversal is on

the ground(s) that it would not place an undue burden on the Examiner to examine both

Group I and III. This is not found persuasive, because searching all of the claims would

require searching in numerous different classes and subclasses, as well as a different

searching focus depending on whether the compound com or a kit comprising a vector

are being searched. Thus, the search would pose an undue burden on the Office.

The requirement is still deemed proper and is therefore made FINAL.

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## Claim Rejections - 35 USC § 102/103

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filled in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-8, 11, 144-145 are rejected under 35 U.S.C. 102(e) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over KAO et al (US 6,803,479).

Applicant's claims are directed to a compound comprising of: a ligand, such as a muristerone A, which is a steroid; and a molecular cage, such a nitromethoxybenzyl moiety, such as 1-methyl-4,5-dimethoxy-2-nitrobenze. Additional limitations include: two-photon cage; and 325-375nm wavelengths.

KAO teaches a compound comprised of: a ligand, such as a muristerone A (see col. 15, line 11; Figure 9), which is a steroid and non-steroidal ecdysoid (see col. 15, line 17-19); and a molecular cage, such a nitromethoxybenzyl moiety (see col. 16, line 46-60), such as 1-methyl-4,5-dimethoxy-2-nitrobenze (see figure 11). Additional limitations include: two-photon cage (see col. 16, line 39-40 and line 20-27); and 360nm wavelength (see figure 11; col. 16, line 25-26); photochemically transform by light to yield free (see col. 1, line 13-14); caging group must be covalent linked (see col. 16, line 14-15); linking ligand of Figure 9 with molecular cage of Figure 11 in KAO would give the compound of claim 8 as claimed by Applicant.

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Telephonic Inquiries

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Jake M. Vu whose telephone number is (571)272-8148.

The examiner can normally be reached on Mon-Tue and Thu-Fri 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Michael Hartley can be reached on (571) 272-0616. The fax phone number

for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jake M. Vu/

Primary Examiner, Art Unit 1618